

SECRET

25X1

IDEA-0132-70

Copy 1 of 7

28 April 1970

Distribution	
AMA/OSA	6 MAY 1970
DATE	
TIME	
BY	
FILE	<u>240</u>
DOC	
FILE	<u>Postbox</u>
Tickler	<u>Other</u>

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report - 21-24 April 1970

1. Location and Purpose of Visit:

The undersigned visited Detachment "G" from 21-24 April 1970 to witness ejection-seat canopy-breaker test performed by LAC to qualify new canopy-breaker bar.

2. Results of Visit:

Gross observation indicates that the objectives of the ejection-seat test firing were met. A more accurate appraisal will be made after inspection of the filmed sequence from the various angles.

Of major concern during this test firing was the failure of the personnel parachute. Two (2) previous test firings over a year ago were both successful, however, the S1010 PPA was not on the dummy. A training S1010 PPA suit mated to an RQ 225 parachute like the operational parachute was utilized for this test. It should be pointed out that parts to prepare this test parachute were, in some cases, beyond shelf life and in others, salvaged from earlier ejections, since new parts were not available.

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As a result of this ejection failure, a one-time inspection is being accomplished by LAC on all operational parachutes, the problem having been identified and discussed in message traffic.

See Attachment.

A second test firing with a cold soaked canopy will be performed on 6 May 1970 utilizing the S1010 PPA suit and an operational RQ 225 parachute.

Attachment
As stated above

AMS/OSA

CONCURRENCE AND/OR COMMENTS

C/AMS/OSA

28 April 70
Date

AMS/OSA

(28 Apr 70)

Distribution

1 - AMS/OSA	w/att
2 - " Chrono	w/o att
3 - DD/SA	"
4 - TB/OSA	"
5 - D/O/OSA	"
6 - C/Idea/O/OSA	"
7 - RB/OSA	"

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Next 1 Page(s) In Document Exempt

CLASSIFIED MESSAGE
Approved For Release 2003/11/25 : CIA-RDP75B00285R000300090016-3

SECRET

(When Filled In)

FILE INFO

27 APR 1970 73772

REPRODUCTION PROHIBITED

ACTION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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Dim

IDEA

SIS
LIB
AB

D/OPS
DISA

ADS
RTD
ADS

25X1 SECRET 271728Z APR 70

IDEALIST LIFE SUPPORT DM-1 SPO

25X1 REF: [] DTD 24 APR 70

SUBJ: PARACHUTE DROUGE GUN SEAR AND ARMING CABLE
HOUSING/CONDUIT INSPECTION

25X1 ATTN: []

Distribution
AMA/OSA
DATE 27 APR 1970
JEE []
DF []
QTB []
EWC []
ESM []
File [] Destroy []
Tickler [] Other []

1. SEVEN CHUTES HAVE BEEN INSPECTED AND ALL WERE FOUND TO BE COMPLETELY OPERABLE/SAFE. ONE HOUSING ASSEMBLY WAS FOUND TO BE OUTSIDE DRAWING TOLERANCE. HOWEVER, IN COMBINATION WITH THE DROUGE GUN, THE ASSOCIATED SEAR WOULD OPERATE PROPERLY IN THE HOUSING. THIS HOUSING ASSEMBLY WAS REPLACED.
2. A NEW DROUGE GUN, JUST RECEIVED, WAS CHECKED AND FOUND TO HAVE ITS SEAR (PIN) OUT OF TOLERANCE (TOO LARGE DIA.). THIS CONDITION WOULD HAVE BEEN FOUND DURING NORMAL INCOMING QUALITY CONTROL INSPECTION AND ALSO UPON ANY ATTEMPT TO ASSEMBLE IT WITH THE HOUSING ASSEMBLY.
3. [] RECOMMENDS THAT PROJECT AND SPO SEND ALL CHUTES BACK THRU THE FACTORY FOR A ONE-TIME INSPECTION OF

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CLASSIFIED MESSAGE
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THE HOUSING ASSEMBLY AND DROUGE GUN SEAR.

25X1

4. ☐ DOES NOT REGARD THIS AS A SAFETY OF FLIGHT

REQUIREMENT BUT RATHER AS A ONE-TIME INSPECTION BASED UPON

THE FAILURE EXPERIENCED DURING RECENT CANOPY BREAK-EJECTION

TEST PER REF MESSAGE.

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NNNS E C R E T 242342Z APP 70 CITE [REDACTED]

25X1

IMMEDIATE [REDACTED]

[REDACTED] LIFE SUPPORT

FOR [REDACTED] EYES ONLY [REDACTED]

NO NIGHT ACTION

REF: RQ-225-3 PARACHUTE PROBLEM

1. THE FOLLOWING IS THE STATUS OF ALL THE HQ-225 PARACHUTES BELONG-
 ING TO [REDACTED] UNITS. ALL PARACHUTES LISTED ARE NOT TO BE CONSIDERED
 SERVICEABLE UNTIL NOTIFIED BY SERIAL NUMBER THAT THEY ARE
 TO BE RETURNED TO SERVICE.

NUMBER	LOCATION	STATUS	DUE REPACK	REMARKS
122	H	NEEDS INSP	8 JULY 70	ENROUTE H- SHIP TO G
118	LAC	NEEDS INSP	DUE	RETURN TO G
120	H	NEEDS INSP	DUE	RETURN TO G
152	H	NEEDS INSP	12 MAY 70	RETURN TO G
83	LAC	NEEDS INSP	13 JUN 70	RETURN TO G
84	LAC	NEEDS INSP	DUE	SHIP TO H
106	LAC (PMD)	NEEDS INSP	3 MAY 70	SHIP TO LAC- BURBANK-RETURN TO LAC (C.O.S.)
135	LAC	NEEDS INSP	12 JUN 70	RETURN TO G
154	G	NEEDS INSP	17 JUN 70	WILL BE SHIPPED TO LAC 25 APR 70-RE-

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24 APR 70 73883

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	5		10		15		20	

NNNS E C R E T 242102Z APR 70 CITE [REDACTED]

25X1
25X1 IMMEDIATE [REDACTED]

[REDACTED] LIFE SUPPORT DT-1

SUBJ: PERSONNEL PARACHUTE DEPLOYMENT FAILURE

25X1 BREAK TEST AT [REDACTED] DTD 23 APR 70

25X1
25X1 IN: [REDACTED]

Distribution	
AMA/OSA	
DATE	27 APR 1970
JEE	[Signature]
DF	
QTB	[Signature]
EWC	[Signature]
ESM	
File	Destroy
Tickler	Other

1. DEPLOYMENT FAILURE OF THE CHUTE WAS CAUSED AS FOLLOWS:

- A. THE SEAR (PIN) OF THE DROUGE GUN ASSEMBLY WAS ON THE HIGH SIDE BUT WITHIN ITS DIAMETER TOLERANCE.
- B. THE CABLE CONDUIT SLEEVE P/N 4AQ1396-3 IN WHICH THE PIN SLIDES WAS TAPERED SUCH THAT IT WAS UNDER TOLERANCE NEAR END OF PIN TRAVEL.

C. THE RESULT WAS THE PIN JAMMED IN THE SLEEVE PRIOR TO RELEASE OF THE DROUGE GUN FIRING MECHANISM. (THE 1/16 IN CABLE BROKE - 480 POUND PULL).

D. THE CORRECTIVE ACTION IS TO ONE TIME INSPECT ALL PARACHUTES TO ASSURE THE PROPER DIMENSIONS OF PIN AND SLEEVE TO PROVIDE PROPER CLEARANCE AND FUNCTION.

E. THE ABOVE INSPECTION WILL BE PERFORMED ON AN EXPEDITED BASIS.

25X1 4. [REDACTED] WILL BE NOTIFIED IMMEDIATELY IF ANY SEAR (PIN) OR CONDUIT SLEEVE FOUND TO BE OUT OF TOLERANCE ON THOSE PERSONNEL PARACHUTES TESTED.

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	5	10	15	20

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156	LAC	NEEDS INSP	18 JUN 70	RETURN TO G	
165	H	NEEDS INSP	12 MAY 70	RETURN TO G	
71	LAC	NEEDS INSP	9 JUN 70	RETURN TO G	
80	LAC	NEEDS INSP	DUE		25X1
77	G	NEEDS INSP	DUE	WILL BE SHIPPED TO	
				LAC 25 APR 70-RE-	
				TURN TO G	
74	H	NEEDS INSP	6 JUL 70		25X1
				TO G	
134	LAC	NEEDS INSP	30 APR 70	RETURN TO G	
79	H	NEEDS INSP	DUE	RETURN TO G	
67	LAC	NEEDS INSP	DUE		25X1

2. FOR PARACHUTES S/N 67, 80, AND 84 ARE BEING COURIERED TO YOU VIA

27 APRIL 70. PLEASE RETURN YOUR PARACHUTES FOR INSPECTION VIA SAME COURIER. COURIER WILL BE

3. WILL HAVE SERVICEABLE PARACHUTES ON HAND FOR USE BY LATE SUNDAY, 26 APRIL 70.

4. REQUEST SECURITY REPRESENTATIVE MEET

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